

REMARKS

This application has been carefully reviewed in light of the Office Action dated November 1, 2007. Claims 19, 22 to 24 and 26 to 30 are in the application, with Claim 21 having been canceled herein and new Claims 26 to 30 having been added. Claims 19, 23, 24, 26, 29 and 30 are the independent claims herein. Reconsideration and further examination are respectfully requested.

Claims 19 and 21 to 24 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,959,318 (Tso) in view of U.S. Patent No. 6,556,217 (Makipaa) further in view of “Spyglass Prism: Concepts and Applications” (Spyglass). Reconsideration and withdrawal of the rejections are respectfully requested.

The present invention relates to adapting documents to be output to a user terminal. According to the invention of Claims 19, 23 and 24, when a server receives, from a user terminal, a first access request for access to a first document, the server adapts the first document and a second document in accordance with characteristics of the user terminal included in the first access request. The second document is adapted in a case where an access probability of the second document is greater than a threshold, and is adapted before the server receives a second request for access to the second document from the user terminal. When a second access request is received for the second document, the adapted second document is then output to the user terminal.

Referring specifically to the claims, amended independent Claim 19 is directed to a server for providing a document via a network, comprising receiving means for receiving, from a user terminal, a first request for access to a first document, adapting means for adapting the first document and a second document in accordance with characteristics of the user terminal included in the first request, wherein the adapting

means adapts the second document in a case where an access probability of the second document is greater than a threshold, before the server receives a second request for access to the second document from the user terminal, and sending means for sending to the user terminal the second document adapted by the adapting means, when the receiving means receives the second request for access to the second document.

Claims 23 and 24 are method and computer medium claims, respectively, that substantially correspond to Claim 19.

The applied art, alone or in any permissible combination, is not seen to disclose or to suggest the features of Claims 19, 23 and 24, and in particular, is not seen to disclose or to suggest at least the features of, when a server receives a first access request for access to a first document, the server adapting the first document and a second document in accordance with characteristics of the user terminal included in the first request, wherein the second document is adapted in a case where an access probability of the second document is greater than a threshold, before the server receives a second request for access to the second document from the user terminal.

Tso teaches a technique for pre-fetching documents by retrieving documents corresponding to hyperlinks contained in a web page so that the web pages corresponding to those hyperlinks are waiting in cache in the event the user selects one of the hyperlinks. Tso is not, however, seen to teach the foregoing features of Claims 19, 23 and 24.

Makapaa teaches adapting documents according to characteristics of a user terminal, but Makapaa is not seen to teach anything that, when combined with Tso, would have resulted in the foregoing features of the invention in which when a server receives a first access request for access to a first document, the server adapting the first document

and a second document in accordance with characteristics of the user terminal included in the first request, wherein the second document is adapted in a case where an access probability of the second document is greater than a threshold, before the server receives a second request for access to the second document from the user terminal.

Spyglass teaches that copies of documents that have been fetched and adapted are maintained in cache such that, if the document was previously adapted and output, a copy of the previously adapted and output document may be kept in cache. However, Spyglass is not seen to teach anything that, when combined with Tso and/or Makapaa, would have resulted in the features of, when a server receives a first access request for access to a first document, the server adapting the first document and a second document in accordance with characteristics of the user terminal included in the first request, wherein the second document is adapted in a case where an access probability of the second document is greater than a threshold, before the server receives a second request for access to the second document from the user terminal.

In view of the foregoing amendments and remarks, Claims 19, 23 and 24, as well as the claims dependent therefrom, are believed to be allowable.

Newly-added independent Claims 26, 29 and 30 include features along the lines of Claims 19, 23 and 24, but include additional features. One difference is that, in Claims 26, 29 and 30, the first access request begins a communication session. After the documents have been ordered, adapted and a second document sent to the user terminal, the adapted documents are eliminated on the server at the end of the communication session.

Referring specifically to the claims, Claim 26 is directed to a server for providing a document via a network, comprising receiving means for receiving, from a

user terminal, a first access request for access to a first document, the first access request beginning a communication session, acquiring means for acquiring characteristics related to the user terminal contained in the first access request, determining means for determining an order for adapting documents for outputting the documents according to a frequency of access to the documents, selecting means for selecting documents to be adapted according to the determined order, adapting means for adapting for output, in accordance with the acquired characteristics related to the user terminal, the selected documents in the determined order before receiving a second access request for access to a second document, wherein the adapting means adapts for output documents in which the frequency of access is higher than a threshold, receiving means for receiving a second access request for access to a second document, reading means for reading out the second document, which has been adapted by the adapting means, upon reception of the second access request for access to the second document, sending means for sending the second document read out by the reading means to the user terminal, and eliminating means for eliminating the adapted documents on the server at the end of the communication session.

Claims 29 and 30 are method and computer medium claims, respectively, that substantially correspond to Claim 26.

The art of record, alone or in any permissible combination, is not seen to disclose or to suggest the features of Claims 26, 29 and 30, and in particular, is not seen to disclose or to suggest at least the features of receiving, from a user terminal, a first access request for access to a first document, the first access request beginning a communication session, determining an order for adapting documents for outputting the documents according to a frequency of access to the documents, selecting documents to be adapted according to the determined order, adapting for output, in accordance with acquired

characteristics related to the user terminal, the selected documents in the determined order before receiving a second access request for access to a second document, wherein the adapting means adapts for output documents in which the frequency of access is higher than a threshold, sending, to the user terminal, a second document read out based on a received second access request for access to a second document, and eliminating the adapted documents on the server at the end of the communication session.

As discussed above, none of Tso, Makapaa, or Spyglass teach the features of adapting the documents as claimed. However, the references also fail to teach that the first request begins a communication session, and that the adapted documents are eliminated from the server at the end of the communication session. Rather, Spyglass explicitly retains the documents in cache so that they can be retrieved faster the next time. Therefore, Claims 26, 29 and 30, as well as the claims dependent therefrom, are believed to be allowable.

No other matters having been raised, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

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